

APPENDIX 6
Section 319 Project Summary Example

FY98 SECTION 319 PROJECT SUMMARY – IOWA
Project #14

TITLE: Bigalk to Bohemian Water Quality Project

LOCATION: Howard County, Iowa

DESCRIPTION: Bigalk and Bohemian Creeks are coldwater trout streams located in Howard County, Bigalk Creek in the northeast, Bohemian in the southeast portion of the county. The target area of this project is the area between the two streams and contains shallow to bedrock soils. Groundwater quality concerns are related to the depth to bedrock and Karst topography. In addition, groundwater is being impacted by the area's losing streams and multiple sinkholes. These aquifers are used almost exclusively by the rural residents of the county for their water supply. Testing of the drinking water wells in this target area indicate this region within Howard County has the highest contaminant levels for both nitrates and bacteria.

A variety of Best Management Practices will be utilized to reduce the impact of agricultural production on groundwater. This project will build upon the activities conducted as part of the previously Section 319 funded water quality project, which addressed Bigalk Creek exclusively, to include this much larger area. In addition, an EQIP proposal for FY98 has been accepted and is currently being implemented. The goal of this project will be to blend all the various sources of assistance together in a broad-based project and targeting groundwater issues.

Funding is requested for this four year project to support a project coordinator and financial incentives for the nutrient and pest management component of the project. Funding from other state and federal programs will support additional financial incentives for BMPs and associated project costs.

OBJECTIVES: The objectives of the project are:

1. To demonstrate the feasibility of several resource management systems that are new and innovative.
2. To create an awareness of shallow to bedrock soils and their potential to leach nitrates and pesticides into groundwater supplies.
3. To reduce sediment and runoff contaminants delivered to losing streams and sinkholes.
4. To reduce the amount of manure reaching the streams and sinkholes.
5. To create an awareness of the amount of fertilizer and pesticides currently being used and appropriate applications.
6. To develop an awareness of the fragile groundwater situation.
7. To develop management plans for land surrounding sinkholes.

8. To develop management plans for livestock facilities.

MAJOR PRODUCTS: Project Implementation Plans; monthly, quarterly, and annual reports; a final report identifying and evaluating the project accomplishments; and a description of information and education materials.

FUNDING LEVEL: FY98 Section 319 fund request \$215,000

TIME FRAME: Four Years (FY99 – FY02)

LEAD AGENCY: Howard County Soil and Water Conservation District

COOPERATING AGENCIES & PRIVATE GROUPS:

US Environmental Protection Agency
Iowa Department of Natural Resources
Iowa Department of Agriculture and Land Stewardship – Division of Soil Conservation
Natural Resources Conservation Service
Iowa State University Extension
Farm Service Agency
Howard County Conservation Board
Howard County Board of Supervisors
Howard County Sanitarian
Cresco Wildlife Club
Vernon Springs Restoration Association
Conservation Technology Information Center

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